



Attachment Illustrated Parts List

 **Simplicity**®

 **MASSEY FERGUSON**
LAWN & GARDEN EQUIPMENT

 **AGCO**
LAWN & GARDEN EQUIPMENT

Attachment

Mfg. No. Description

1694693 Catcher, Turbo Clean Sweep Twin

Simplicity

MANUFACTURING, INC.
500 N. Spring Street / PO Box 997
Port Washington, WI 53074-0997 USA

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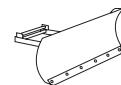
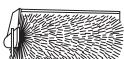


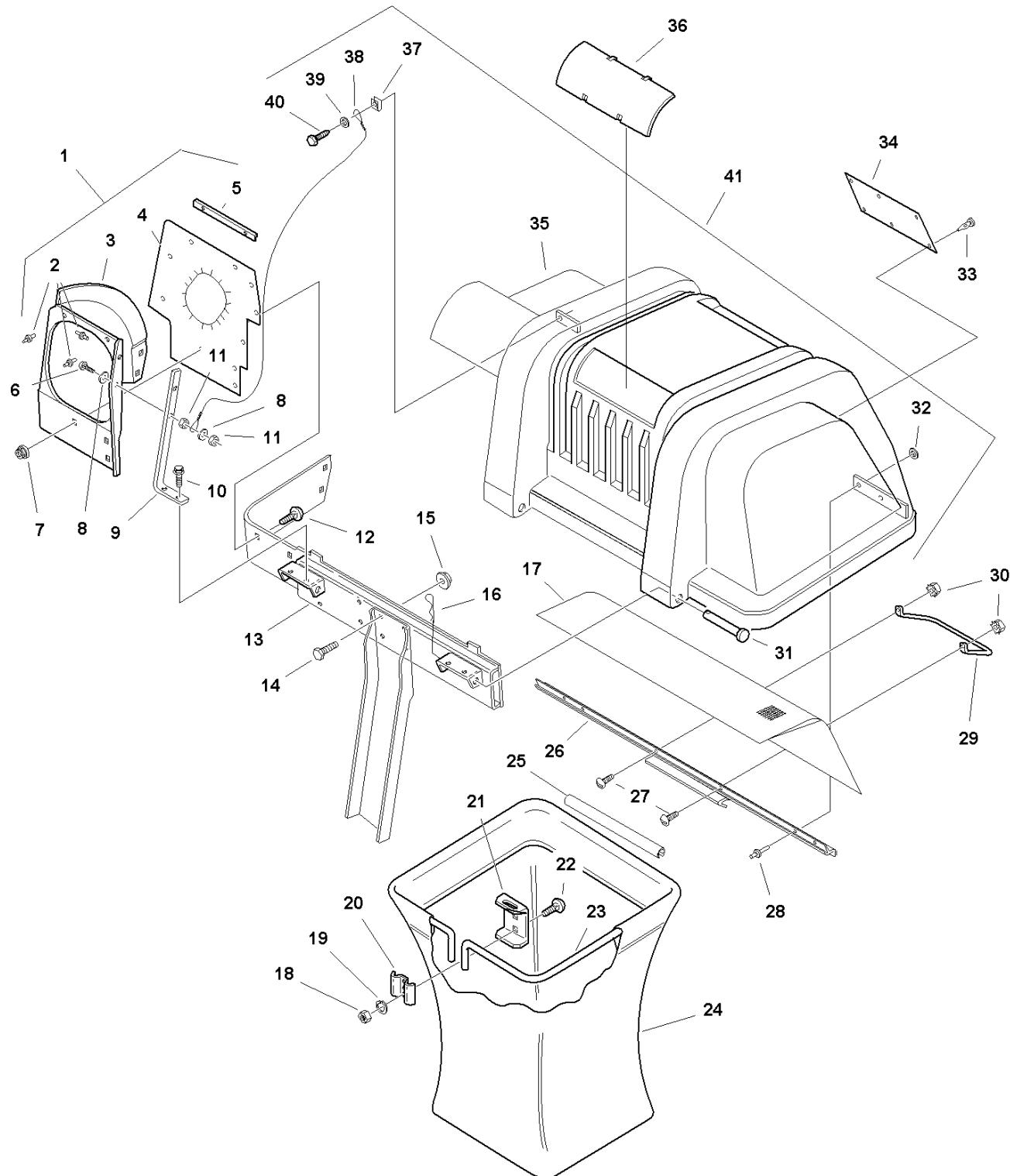
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Cover & Bag Group - Twin

983952

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:

1694693 - Catcher

Cover & Bag Group - Twin

REF NO	PART NO.	QTY.	DESCRIPTION
1	1704615SM	1	TUBE ASSEMBLY Support (Incl. Ref. Nos. 2, 3, 4, 5, 6, 8, 9 & 11)
2	1960381SM	7	RIVET, Pop
3	1704075SM	1	SUPPORT, Tube
4	1704135SM	1	SEAL, Cover
5	1704508SM	3	BRACKET, Seal
6	1960399SM	1	SCREW, Round Head, #8-32 x 7/8
7	1930642SM	5	LOCKNUT, Flange, 1/4-20
8	1960096SM	2	WASHER
9	1704507SM	1	STRAP, Tube Support
10	1929000SM	2	SCREW, Taptite, 1/4-20 x 3/8
11	1960077SM	2	NUT, Hex, Lock, #8-32
12	1960252SM	5	CARRIAGE BOLT, 1/4-20 x 5/8
13	1727129ASM	1	CROSS ASSEMBLY
13	1727129ASM	1	CROSS ASSEMBLY
14	1921966SM	4	CAPSCREW, Hex Head, 3/8-16 x 7/8
15	1928352SM	4	NUT, Hex, Whizlock, 3/8-16
16	1960221SM	2	CLIP, Hairpin
17	1703700SM	1	SCREEN
18	1917372SM	4	NUT, Hex, 5/16-18
19	1917356SM	4	LOCKWASHER, 5/16
20	1672023ASM	2	CLAMP
21	1703807ASM	2	HANGER
22	1931333SM	4	CARRIAGE BOLT, 5/16-18 x 3/4
23	1703855ASM	2	HOOP, Bag
24	1703764SM	2	BAG, Grass
25	1675707SM	2	TUBE CLIP, Grass Bag
26	1704057SM	1	SEAL, Clip
27	1930531SM	2	SCREW, Truss Head, #10-32 x 1/2
28	1675043SM	4	RIVET, Pop
29	1703853SM	1	HANDLE, Latch
30	1928919SM	2	NUT, Hex, #10-32
31	2860367SM	2	PIN, Round Head
32	1910531SM	4	WASHER
33	1667248SM	6	CLIP, Canoe
34	1732820SM	1	DECAL, Safety
35	1704056SM	1	COVER
36	1704180SM	2	WINDOW
37	1933886SM	1	NUT, Speed
38	1705876SM	1	CABLE, Double Loop
39	1921319SM	1	WASHER, 1/4
40	1960400SM	1	SCREW, Self-tapping, #10-12 x 5/8
41	1704056SM	1	COVER ASSEMBLY (Incl. Ref. Nos. 17, 26, 28, 32, 37, 38, 39 & 40)

Footnotes

The above parts group applies to the following Mfg. Nos.:

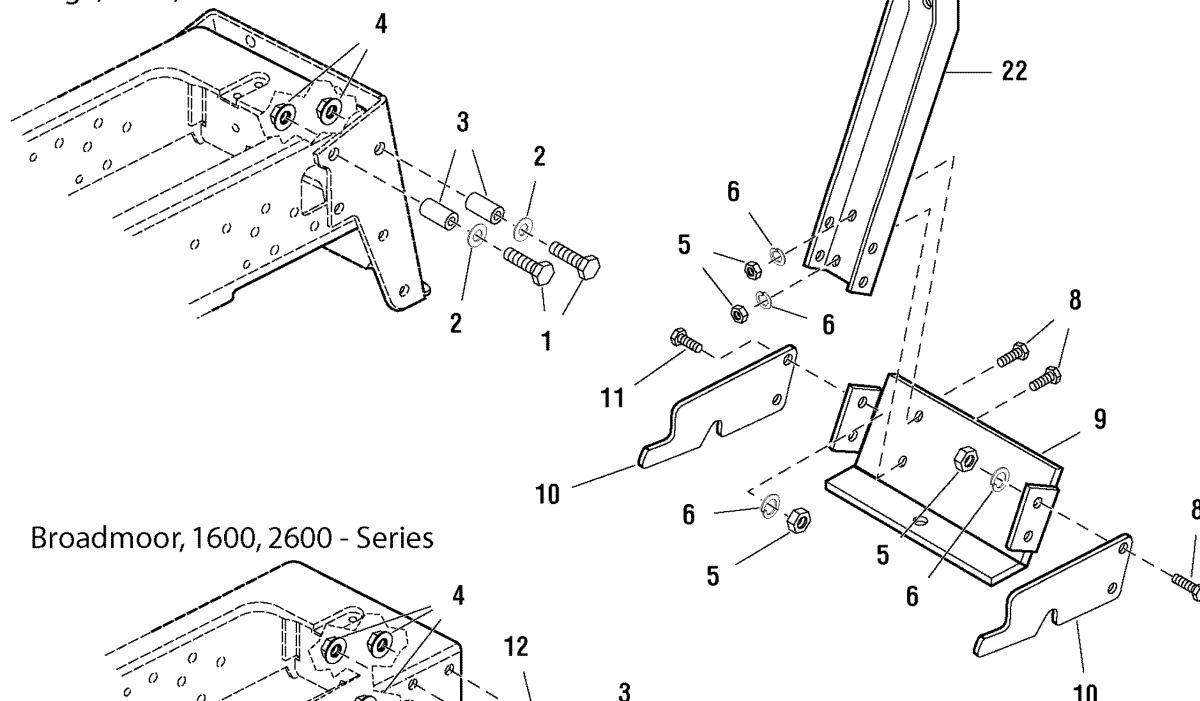
1694693 - Catcher

Hitch Group

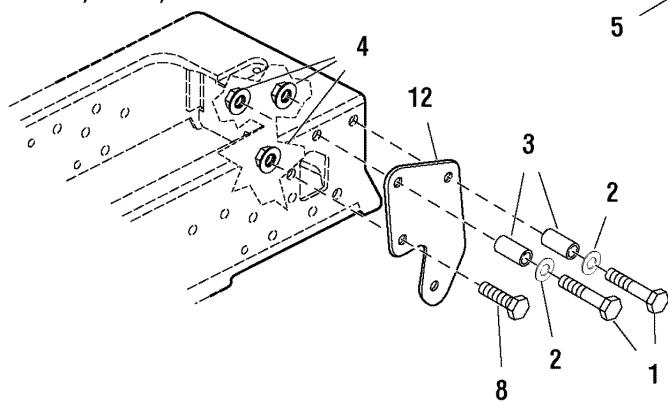
NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.

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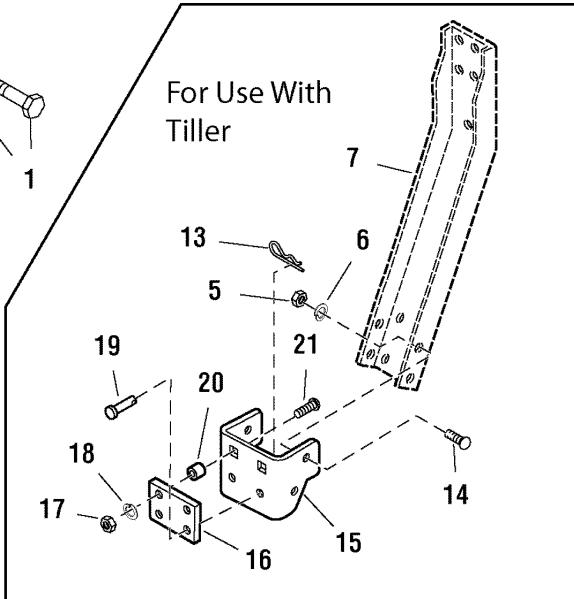
Conquest, 1700, 2700 Series
Prestige, 1800, 2800 - Series



Broadmoor, 1600, 2600 - Series



For Use With
Tiller



The above parts group applies to the following Mfg. Nos.:

1694693 - Catcher

Hitch Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	1960462SM	4	CAPSCREW, Hex Head, 1/2-13 x 2-1/2
2	1924361SM	4	WASHER
3	1668662SM	4	SPACER
4	1960355SM	4	LOCKNUT, Hex, 1/2-13
5	1916950SM	6	NUT, Hex, 3/8-16
6	1916965SM	6	LOCKWASHER, 3/8
7	1707526ASM	1	SUPPORT, Upright
8	1921210SM	6	CAPSCREW, Hex Head, 3/8-16 x 1
9	1703744ASM	1	BRACKET, Lower Hitch
10	1723067ASM	2	SUPPORT, Side Hitch
11	1920415SM	6	CAPSCREW, Hex Head, 3/8-16 x 1-1/4
12	1723044ASM	2	PLATE, Side
13	1960033SM	2	CLIP, Hair Pin
14	1931348SM	4	CARRIAGE BOLT, 3/8-16 x 3/4
15	1723065SM	1	CLAMP, Hitch
16	1723064ASM	1	CLAMP, Plate
17	1917372SM	2	NUT, Hex, 5/16-18
18	1917356SM	2	LOCKWASHER
19	1729281SM	2	PIN, Round Head, Drilled
20	1960236SM	2	SPACER
21	1960223SM	2	CARRIAGE BOLT, 5/16-18 x 1-1/4
22	1707526ASM	1	SUPPORT, Upright

Footnotes

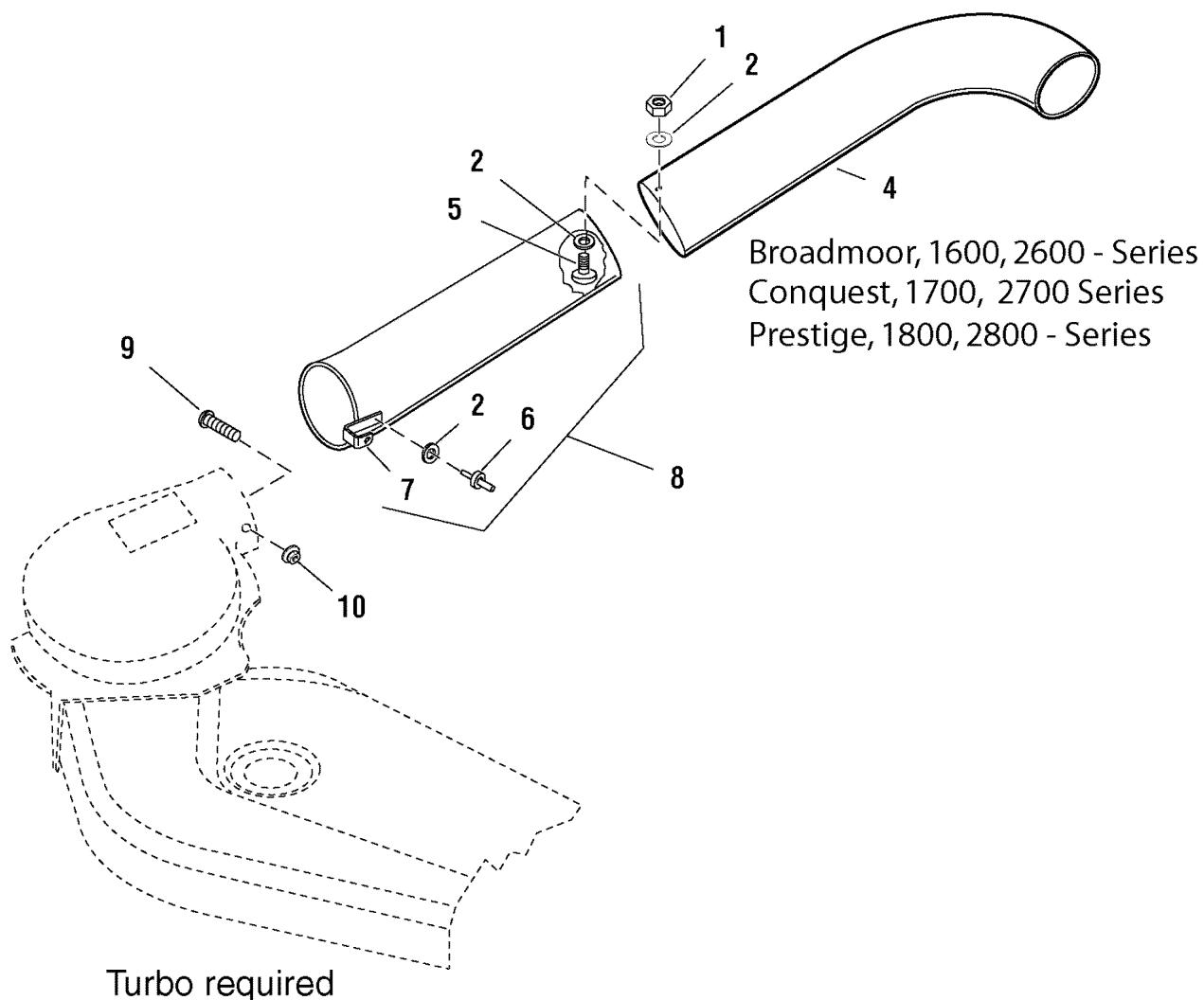
The above parts group applies to the following Mfg. Nos.:

1694693 - Catcher

Tube Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.

T986032



The above parts group applies to the following Mfg. Nos.:
1694693 - Catcher

Tube Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	1933896SM	2	NUT, Hex Nylock, #10-32
2	1960096SM	6	WASHER
4	1704283SM	1	ELBOW, Upper
5	1960404SM	2	SCREW, Truss Head, #10-32 x 1/2
6	2810542SM	2	RIVET
7	1705063SM	1	CLIP, Spring
8	1707712SM	1	TUBE & SPRING ASSEMBLY (Incl. Ref. Nos. 2, 6, & 7)
9	1960252SM	1	CARRIAGE BOLT, 1/4-20 x 5/8
10	1930641SM	1	NUT, Hex Flange Lock, 1/4-20

Footnotes

The above parts group applies to the following Mfg. Nos.:

1694693 - Catcher

Hardware Identification & Torque Specifications

Common Hardware Types

Hex Head Capscrew



Washer



Carriage Bolt



Lockwasher



Hex Nut

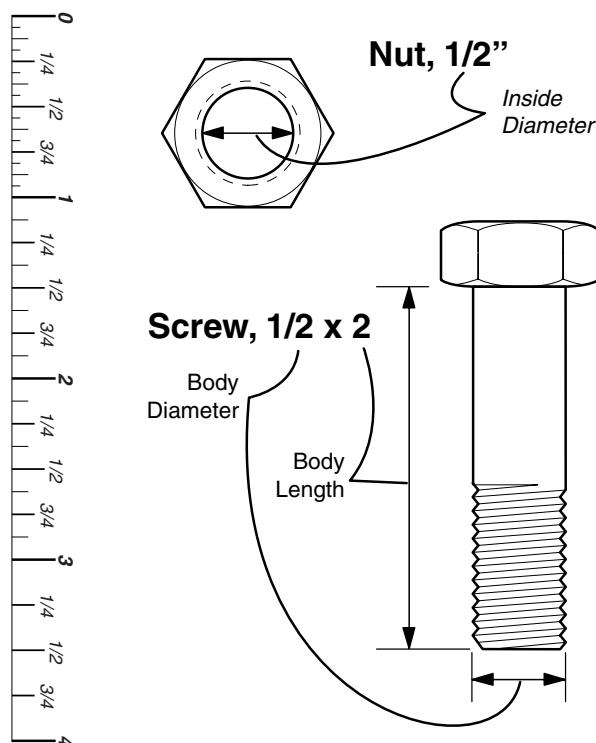


Standard Hardware Sizing

When a washer or nut is identified as **1/2"**, this is the *Nominal size*, meaning the *inside diameter* is 1/2 inch; if a second number is present it represent the *threads per inch*

When bolt or capscrew is identified as **1/2 - 16 x 2"**, this means the *Nominal size*, or *body diameter* is 1/2 inch; the second number represents the *threads per inch* (16 in this example, and the final number is the *body length* of the bolt or screw (in this example 2 inches long).

The guides and ruler furnished below are designed to help you select the appropriate hardware and tools.



Torque Specification Chart

FOR STANDARD MACHINE HARDWARE (Tolerance $\pm 20\%$)

Hardware Grade	No Marks	SAE Grade 2		SAE Grade 5		SAE Grade 8	
		in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.
8-32	19	2.1	30	3.4	41	4.6	
8-36	20	2.3	31	3.5	43	4.9	
10-24	27	3.1	43	4.9	60	6.8	
10-32	31	3.5	49	5.5	68	7.7	
1/4-20	66	7.6	8	10.9	12	16.3	
1/4-28	76	8.6	10	13.6	14	19.0	
5/16-18	11	15.0	17	23.1	25	34.0	
5/16-24	12	16.3	19	25.8	27	34.0	
3/8-16	20	27.2	30	40.8	45	61.2	
3/8-24	23	31.3	35	47.6	50	68.0	
7/16-14	30	40.8	50	68.0	70	95.2	
7/16-20	35	47.6	55	74.8	80	108.8	
1/2-13	50	68.0	75	102.0	110	149.6	
1/2-20	55	74.8	90	122.4	120	163.2	
9/16-12	65	88.4	110	149.6	150	204.0	
9/16-18	75	102.0	120	163.2	170	231.2	
5/8-11	90	122.4	150	204.0	220	299.2	
5/8-18	100	136	180	244.8	240	326.4	
3/4-10	160	217.6	260	353.6	386	525.0	
3/4-16	180	244.8	300	408.0	420	571.2	
7/8-9	140	190.4	400	544.0	600	816.0	
7/8-14	155	210.8	440	598.4	660	897.6	
1-8	220	299.2	580	788.8	900	1,244.0	
1-12	240	326.4	640	870.4	1,000	1,360.0	

NOTES

1. These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
2. Recommended seating torque values for locknuts:
 - a. for prevailing torque locknuts - use 65% of grade 5 torques.
 - b. for flange whizlock nuts and screws - use 135% of grade 5 torques.
3. Unless otherwise noted on assembly drawings, all torque values must meet this specification.

Wrench & Fastener Size Guide



1/4" Bolt or Nut
Wrench—7/16"



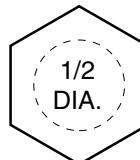
5/16" Bolt or Nut
Wrench—1/2"



3/8" Bolt or Nut
Wrench—9/16"



7/16" Bolt or Nut
Wrench (Bolt)—5/8"
Wrench (Nut)—11/16"



1/2" Bolt or Nut
Wrench—3/4"

